

PRODUCT-DETAILS

ACS880-07-0169A-3

ACS880-07-0169A-3 PN: 90 kW, IN: 169 A



General Information

Global Commercial Alias	ACS880-07-0169A-3
Product ID	3AUA0000120587
ABB Type Designation	ACS880-07-0169A-3
Catalog Description	ACS880-07-0169A-3 PN: 90 kW, IN: 169 A

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-07-0169A-3 PN: 90 kW, IN: 169 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Dimensions

Product Net Weight	250 kg 551 lb
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Product Net Depth / Length	673 mm 26.50 in
Product Net Height	2145 mm 84.45 in
Product Net Width	430 mm 16.93 in
Package Level 1 Depth / Length	1100 mm 43.31 in
Package Level 1 Height	2385 mm 93.90 in
Package Level 1 Width	1144 mm 45.04 in

Technical

Number of Phases	3
Degree of Protection	IP22
Enclosure Type NEMA	Type1
Altitude	1000 m
	5 ... 95
Power Factor	0.98
Sound dB (A)	67 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 2pcs, 3V, 220mAh, 6g
Frequency (f)	48 ... 63 Hz
Frame Size	R7
Input Voltage (U _{in})	380 ... 415 V
Mounting Type	Cabinet-built
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes	Control unit PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	7 / 5
Output Current, Heavy-Duty Use (I _{HD})	145 A
Output Current, Light-Overload Use (I _{LD})	161 A
Output Current, Normal Use (I _n)	169 A
Output Power, Heavy-	75 kW

Duty Use (P_{HD})	
Output Power, Light-	90 kW
Overload Use (P_{LD})	
Output Power, Normal	90 kW
Use (P_n)	
Apparent Power Output	117 kV-A
Standby Loss	102 W
Complete Drive Module	
Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	662 W	90.6 %	0.6 %
0/50 %	864 W	93.4 %	0.7 %
0/100 %	1431 W	94.4 %	1.2 %
50/25 %	706 W	94.9 %	0.6 %
50/50 %	960 W	96.4 %	0.8 %
50/100 %	1689 W	96.8 %	1.4 %
90/50 %	1118 W	97.6 %	1.0 %
90/100 %	2154 W	97.7 %	1.8 %

Temperature Rating	Maximum 40 °C Minimum 0 °C
Ecodesign Exemption	Energy efficiency data is not provided for this cabinet-built drive. Cabinet-built drives, with already conform modules, are excluded from the scope of the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.e).

Additional Information	
Product Main Type	ACS880-07
Product Name	Frequency converter

Classifications	
UNSPSC	39122001

Environmental	
SCIP	e1aec134-b168-4e21-9c40-ee5e90c4bab4 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → Industrial Drives → ACS880 single drives → ACS880-07 - Cabinet-built single drive

